

PAPER DETAILS

TITLE: Registration of "Poyraz" Durum Wheat Variety

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Registration of “Poyraz” Durum Wheat Variety

Poyraz is a spring durum wheat (*Triticum durum* Desf.) variety (Figure 1) developed by Aegean Agricultural Research Institute (AARI) and registered in 2019. The pedigree of Poyraz involved cross AVILLO_1/3/ISLÖM_1/DUKEM_2//TARRO_3/7/ECO/CMH76A.722//BIT/3/ALTAR84/4/AJAIA_2/5/KJOVE_1/6/MALMUK_1/SERRATOR_1/8/TARRO_1/2* YUAN_1//AJAIA_13/YAZI/3/SOMAT_4/INTER_8/4/ARMENT//SRN_3/NIGRIS_4/3/CANELO_9.1 with CDSS06Y00388S-29Y-0M-10Y-1M-0Y-0S

Poyraz is a spring type cultivar and it is resistance to lodging. The spike color of Poyraz is white with brown awn and compact. Grain is amber colored. Poyraz is a medium-tall cultivar, height

is 100 cm. It has good adaptability. Tillering is good. It has been grown Aegean region in Mediterranean zone.

The average yield is 6600 kg/ha. Yield potential is high however; high yield can be obtained if environmental conditions and favorable and good agronomic practices are applied. The highest grain yield obtained was 11000 kg/ha. Poyraz is moderate resistance to stripe rust (*Puccinia striiformis* f.sp. *tritici*) and stem rust (*Puccinia graminis* f.sp. *tritici*) and leaf rust (*Puccinia triticina* f.sp. *tritici*).

Grain quality is good. The values of some qualities of Poyraz are; test weight 73.1-80.2 kg hl⁻¹, thousand kernel weight 41.1-54.5 g, protein content 12.0-15.4%, vitreousness 70-98%, yellowness (b value) 27.9-30.3.

Figure 1. Spike and grain of the Poyraz cultivar (Original)



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